

Converting Colors

XYZ(18.5750, 29.2983, 11.9775)

Have a look what the booklet for
XYZ(18.5750, 29.2983, 11.9775)
contains.

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Color

**XYZ(18.5766, 29.3916,
11.9018)**

Conversions

Conversions Part 1

Format	Color
Hex	55A54E
RGB	85, 165, 78
RGB Percent	33%, 65%, 31%
CMY	0.6667, 0.3529, 0.6941
CMYK	0.48, 0.00, 0.53, 0.35
HSL	115°, 36%, 48%
HSV	115°, 53%, 65%
XYZ	18.5766, 29.3916, 11.9018
YIQ	131.1620, -19.7530, -44.0170

Conversions

Conversions Part 2

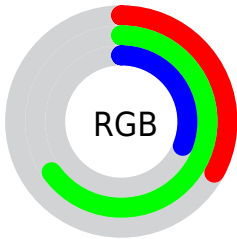
Format	Color
RYB	78, 165, 158
Decimal	5612878
CIELab	61.13, -42.27, 37.35
CIELCh	61, 56.408, 138.539
Yxy	29.3916, 0.3103, 0.4909
Android (android.graphics.Color)	4283802958 (0xFF55A54E)
YUV	131.1620, -26.2089, -40.4841
Hunter-Lab	54.2140, -33.7110, 24.9337

Details

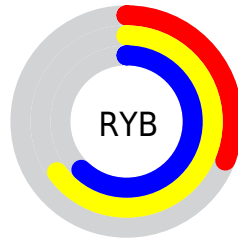
The XYZ color **18.5766, 29.3916, 11.9018** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **23.6179, 15.4355, 37.3334**, and the grayscale version is **21.7278, 22.8593, 24.8938**.

A 20% lighter version of the original color is **40.6341, 58.8733, 29.9909**, and **6.4168, 11.8837, 3.1180** is the 20% darker color. If you saturate the color by 10%, you get **16.8250, 28.5495, 9.1100**, and if you desaturate by 10%, it is **20.7735, 30.4479, 15.4905**.

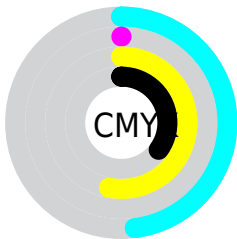
Distribution



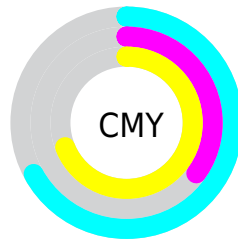
- Red (33%)
- Green (65%)
- Blue (31%)



- Red (31%)
- Yellow (65%)
- Blue (62%)



- Cyan (48%)
- Magenta (0%)
- Yellow (53%)
- Black (35%)



- Cyan (67%)
- Magenta (35%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5766, 29.3916, 11.9018 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 18.5766, 29.3916, 11.9018 by changing the saturation by 10% instead.

■ 18.5766, 29.3916,
11.9018

■ 18.5766, 29.3916,
11.9018

237.0845,
299.0582, 214.7089

■ 11.4669, 19.3773,
6.5551

■ 40.5398, 58.6987,
29.9778

■ 6.4514, 11.9432,
3.1113

■ 56.1241, 78.7602,
43.5443

■ 3.1647, 6.7050,
1.1517

■ 75.2640, 102.9396,
60.6877

■ 1.2415, 3.2783,
0.0000

■ 98.3248, 131.6212,
81.8267

■ 0.1387, 1.2787,
0.0000

■ 125.6719,
165.1895, 107.3798

■ 0.0000, 0.1246,
0.0000

157.6707,

■ 0.0000, 0.0000,

204.0288, 137.7655

0.0000

194.6864,
248.5236, 173.4023

■ 18.5766, 29.3916,
11.9018

■ 18.5766, 29.3916,
11.9018

■ 16.8250, 28.5495,
9.1100

■ 20.7735, 30.4479,
15.4905

■ 15.4861, 27.9034,
7.0525

■ 23.4411, 31.7276,
19.9284

■ 14.5264, 27.4385,
5.6609

■ 26.6053, 33.2439,
25.2656

■ 13.9061, 27.1360,
4.8527

■ 30.2896, 35.0080,
31.5479

■ 13.6257, 26.9991,
4.4932

■ 34.5160, 37.0303,
38.8178

■ 39.3053, 39.3206,
47.1153

■ 44.6770, 41.8881,
56.4783

■ 50.6499, 44.7418,
66.9426

■ 57.2417, 47.8901,
78.5424

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.6539, 29.3916, 6.8372



18.5766, 29.3916, 11.9018



16.1881, 29.3916, 24.5731

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.5766, 29.3916, 11.9018



25.2045, 29.3916, 90.8103



43.7036, 29.3916, 20.7214

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.5766, 29.3916, 11.9018



23.6179, 15.4355, 37.3334

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.3189, 29.3916, 40.7959



18.5766, 29.3916, 11.9018



32.7056, 29.3916, 88.2268

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.5766, 29.3916, 11.9018



19.5385, 29.3916, 73.2537



40.0053, 29.3916, 67.2503



38.4487, 29.3916, 10.1562

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.5766, 29.3916, 11.9018



16.1008, 29.3916, 38.4386



40.0053, 29.3916, 67.2503



44.4904, 29.3916, 26.3281

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.5773, 29.3928, 11.9025



51.7816, 61.5155, 52.2861



29.0777, 32.9193, 12.0297



11.0396, 13.3140, 10.9516



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5773, 29.3928, 11.9025



29.7448, 50.9418, 15.7107



19.6495, 29.7519, 20.7022



7.0359, 7.9210, 7.5382



10.3263, 20.4339, 3.3999



0.2319, 0.4370, 0.0721

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.6179, 15.4355, 37.3334



39.7002, 23.2390, 66.1455



22.1883, 15.0272, 22.4140



7.3079, 7.1731, 8.9024



14.9150, 7.0954, 27.5132



0.3288, 0.1570, 0.5788

Previews

White Background



This preview shows how the XYZ color 18.5766, 29.3916, 11.9018 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.5766, 29.3916, 11.9018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

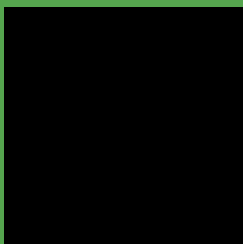
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5766, 29.3916, 11.9018

Background



This preview shows how black text looks on a background with the XYZ color 18.5766, 29.3916, 11.9018.



This preview shows how white text looks on a background with the XYZ color 18.5766, 29.3916,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.5766, 29.3916, 11.9018

Protanopia

26.5037, 29.0167, 10.3348

Deuteranopia

29.6082, 28.9957, 12.6305



Tritanopia

24.3827, 29.1534, 41.3879

Trichromacy



Original Color

18.5766, 29.3916, 11.9018

Protanomaly

22.6231, 28.6739, 10.8208

Deuteranomaly

23.9475, 28.1238, 12.1489

Tritanomaly

21.5952, 29.0323, 27.3873

Monochromacy



Original Color

18.5766, 29.3916, 11.9018

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.6865, 24.3922, 18.9998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5766, 29.3916, 11.9018 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(85, 165, 78)` looks like.

```
.text, #text, p{  
    color:rgb(85, 165, 78)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(85, 165, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 165, 78) }
```

Border

The CSS property to change the border of an element to XYZ 18.5766, 29.3916, 11.9018 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(85, 165, 78) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(85, 165, 78) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(85, 165, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 165, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 165, 78);  
box-shadow:4px 4px 4px 4px rgb(85, 165,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5766, 29.3916, 11.9018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 165, 78) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(85, 165,  
78) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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